

File E186249
Project 07CA08198

March 19, 2007

REPORT

On

COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT

Astec International Ltd Philippines Branch
Quezon City 1110, Philippines

Copyright © 2007 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above-named company to reproduce this Report provided it is reproduced in its entirety.

Underwriters Laboratories Inc. authorizes the above-named company to reproduce the latest pages of that portion of this Report consisting of this Cover Page through Page 2.

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - DC/DC Converter, Models 7001355-XXXX, NLP250N-48S12XXX for use in Information Technology Equipment.

"X" is any alphanumeric character or blank that represents customer identity

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT
7001355-XXXX, NLP250N-48S12XXX	DC -36 to -60 V, 9.0 A	DC +12 V, 20.84 A maximum DC +12 V Fan, 1.5 A maximum DC +5 V sb, 1 A maximum

Maximum Output Power is 273 W at 65 °C Ambient, 243 W at 75 °C Ambient.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

General - The unit is for use in product where the acceptability of the combination is determined by Underwriters Laboratories Inc.

* Both USR and CNR indicate investigation to the Standard for Safety of Information Technology Equipment, UL 60950-1, **Second Edition**, CAN/CSA-C22.2 No. 60950-1-07 **Second Edition**.

Conditions of Acceptability - When installed in the end-use equipment, the following are the considerations to be made:

1. This component has been judged on the basis of the required creepages and clearances in the First Edition of the Standard for Safety of Information Technology Equipment, UL 60950-1, First Edition and CAN/CSA-C22.2 No. 60950-1-03, which covers the end-use product of which the component was designed. The functional insulations have been evaluated by conducting Component Failure Test per sub-clause 5.3.4. (C) of UL 60950-1 **Second Edition** and CAN/CSA-C22.2 No. **60950-1-07 Second Edition**.
2. This component has only been evaluated for use in pollution degree 2 environment.
3. A suitable Fire, Mechanical and Electrical enclosure shall be provided by end use equipment.
4. This component has been evaluated for use in a maximum ambient temperature 75 °C with output power of 243 W and 65 °C with output power of 273 W. An additional evaluation should be made possible if the power supply is intended to be used in an elevated ambient.
5. This component is classified as Level 5 as defined by UL 60950-1, **Second Edition** and CAN/CSA-C22.2 No. **60950-1-07 Second Edition**.

6. **This component is not evaluated for end system mounting.**
7. Input to output circuits and input to chassis/protective earth meets 1500 Vdc Hi-pot.
8. The subject product is considered as a secondary component. The DC input of the power supplies shall be separated from the AC mains by reinforced insulation. Input and output are considered SELV.
9. This product maintains functional insulation from input circuits to output circuits and input to ground.
10. The secondary output of the power supply is unearthed non-energy hazard SELV except for +12 V output which is at hazardous energy level.
11. This unit must be installed in the ventilation system as shown in ILL. 2 for safety operation.